SAVIDU HERATH

SOFTWARE ENGINEERING UNDERGRADUATE

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Portfolio: https://saviduherath.github.io/My-Portfolio/

SUMMARY

Software Engineering undergraduate at SLIIT with strong hands-on experience in building full-stack web applications using the MERN stack and C++. Proven ability to design scalable backend APIs, develop responsive React interfaces, and manage databases efficiently. Passionate about clean code, problem-solving, and delivering real-world software solutions. Actively seeking a Software Engineering Internship to contribute to production-level systems and grow industry experience.

EDUCATION

BSc (Hons) Software Engineering
- SLIIT Malabe
- Current in 3rd year
- GPA : 3.04

English Diploma
- Completed a diploma in English, enhancing collaboration and communication in technical environments.

GCE A/L -2022 (Physical science stream)
- Kekirawa Central College

GCE O/L -2019
- Kekirawa Central College

PROJECTS & PRACTICAL EXPERIENCE

MERN Stack Restaurant Management System
- Developed a complete full-stack restaurant management web application using MongoDB, Express.js, React, and Node.js.
- Implemented secure user authentication and role-based access for customers and administrators.
- Built menu management, order processing, and data handling features using RESTful APIs.
- Designed responsive and reusable React components for a smooth user experience across devices.
- Structured MongoDB schemas and backend services to ensure scalability and maintainability.

MERN Stack Tourism & Booking Management System
- Designed and implemented a full-stack tourism and booking management system using the MERN stack.
- Developed features including user authentication, tour/package listings, booking management.
- Built customer-facing and admin dashboards using React for managing bookings and content.
- Created RESTful backend APIs and MongoDB schemas to handle users, bookings, tours, and schedules efficiently.
- Followed modular architecture and clean coding standards to support future system expansion.

C++ Systems & Algorithmic Project

- Developed an efficient C++ software solution focused on problem-solving and algorithmic optimization.
- Applied data structures and algorithms to improve performance and memory efficiency.
- Strengthened understanding of low-level programming concepts and computational logic.

Mini JavaScript Projects

- Developed multiple mini JavaScript applications to strengthen core programming fundamentals and client-side logic.
- Built projects including a To-Do List, Calculator, and Digital Clock using vanilla JavaScript.
- Applied DOM manipulation, event handling, functions, conditionals, and localStorage.
- Enhanced problem-solving skills and understanding of interactive web application behavior.

SKILLS

Programming Languages

- JavaScript (ES6+)
- Java
- PHP
- C
- C++

Databases

- MongoDB
- MySQL

Web & Full-Stack Development

- MERN Stack (MongoDB, Express.js, React, Node.js)
- HTML
- CSS

Languages

- English
- Sinhala

SOFT SKILLS

- Teamwork
- Problem-solving
- Communication
- Adaptability
- Responsibility
- Positive Attitude

Tools & Technologies -

- GitHub
- Postman
- VS Code
- IntelliJ IDEA